



Infection Control User Manual

Version 0.2

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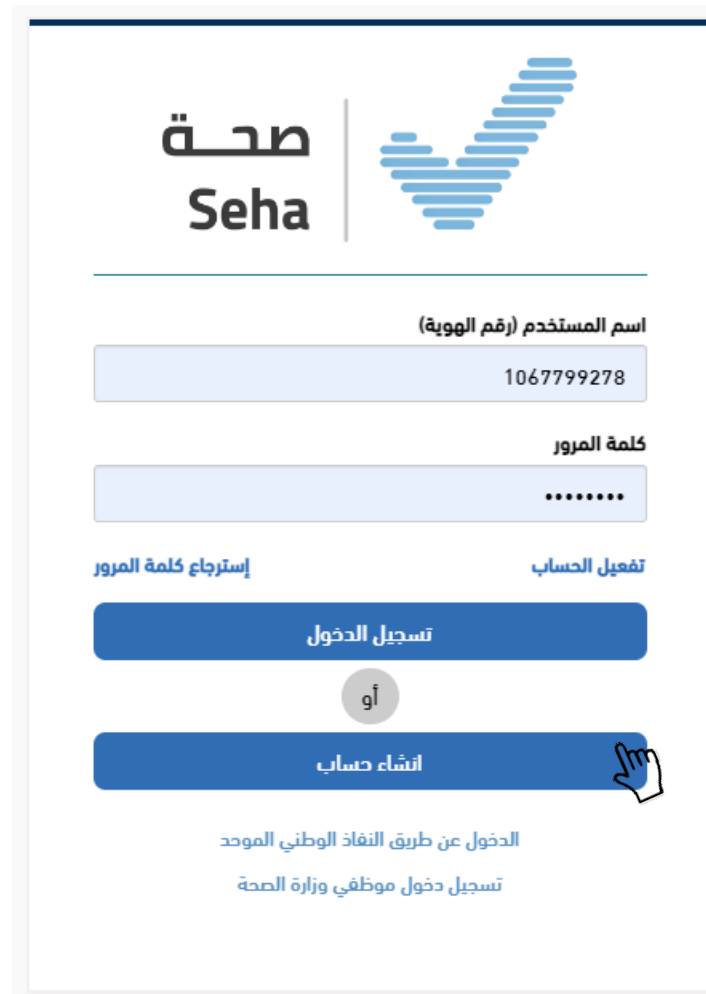
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HESN+ System

HESN (+) system is specialized in providing services to management and surveillance the epidemiological disease outbreaks in the Kingdom of Saudi Arabia, focusing on the following main units: Investigations Unit, Laboratories Unit, Infection Control Unit, BICSL License Unit, Blood Banks Unit, and Ports Unit. This guide explains the mechanism of using the HESN+ system for the Infection Control Unit.

Signing in

1. The user signs in to the Seha platform and selects the appropriate role with the permission assigned to them.

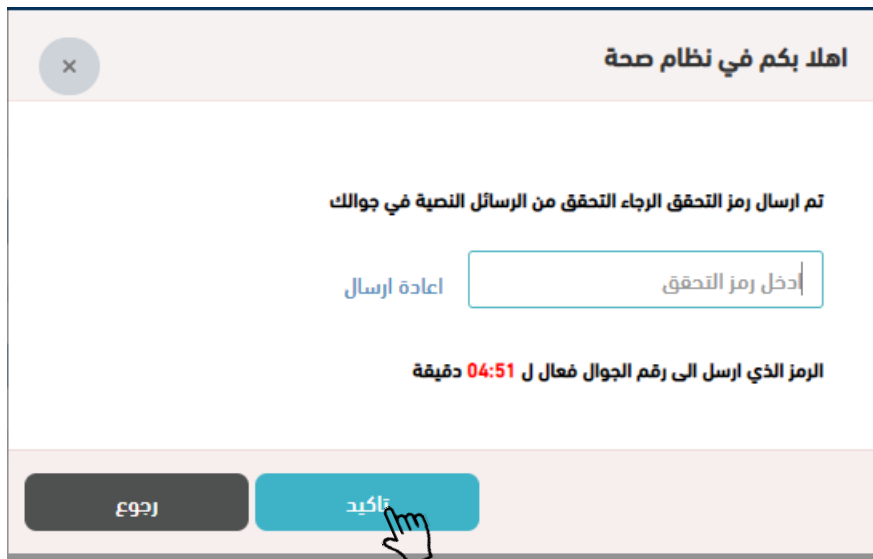


The image shows the Seha login interface. At the top, there is a logo with the word 'صحة' (Seha) and a stylized blue graphic. Below the logo, there are two input fields: one for 'اسم المستخدم (رقم الهوية)' (User Name (ID Number)) with the value '1067799278' and another for 'كلمة المرور' (Password) with masked characters '.....'. Below these fields are two links: 'إسترجاع كلمة المرور' (Reset Password) and 'تفعيل الحساب' (Activate Account). There are two main buttons: 'تسجيل الدخول' (Login) and 'إنشاء حساب' (Create Account). A hand icon is pointing to the 'إنشاء حساب' button. Below the buttons, there is a link 'الدخول عن طريق التفاض الوطني الموحد' (Login via the unified national gateway) and another link 'تسجيل دخول موظفي وزارة الصحة' (Register Health Ministry Employees).

2. The user will see the permissions assigned to them, and can then select the Infection Control permission.



3. An OTP code is sent to the user's mobile number to verify their identity.



4. Next, the Seha platform shows with its services, the user selects "Services" and then the "HESN Plus" service.



Note: HESN Plus service shows when the user acquires a role that has permission to HESN services.

5. Afterwards, the Infection Control Unit icon is selected.



Infection Control Unit Roles in HESN

1. HESN Infection Control User: Is the employee who works in the health facility and enters the Surveillance information
2. System Manager for a Medical Facility: Is the system administrator at the level of their medical facility

3. Directorate: Is the administrative director of the directorate they are in charge of, and is able to access all data of the medical facilities that fall under their directorate.
4. System Administrator: Is the system administrator for Infection Control and can access data of all medical directorates and facilities.

Submitting a Request to the Infection Control Unit

No facility can use the Infection Control Unit without first submitting a request through HESN+ and having it approved by the Infection Control Unit Administration. The application process is as follows:

1. Click on the Infection Control Unit icon and then on the “Submit Request” button
2. The concerned facility fills in the facility’s details on Intensive Care Units (ICUs), Procedures, and Infection Control Administration, and then submits the application. After submitting the application, it will be sent to the Infection Control Administration at the Ministry of Health for review.

Reviewing a Facility’s Request

The system administrator user of the Infection Control Unit can view the requests of health facilities submitted through the requests page, and by clicking on the request number, they can preview the facility's request details.

Returning A Request

The system administrator can return a request to the health facility to complete or correct some data as deemed appropriate, in accordance with the standards of the Infection Control Unit. This can be done by clicking the “Return Request” button and adding notes on the edits required to be made by the health facility.

Rejecting A Request

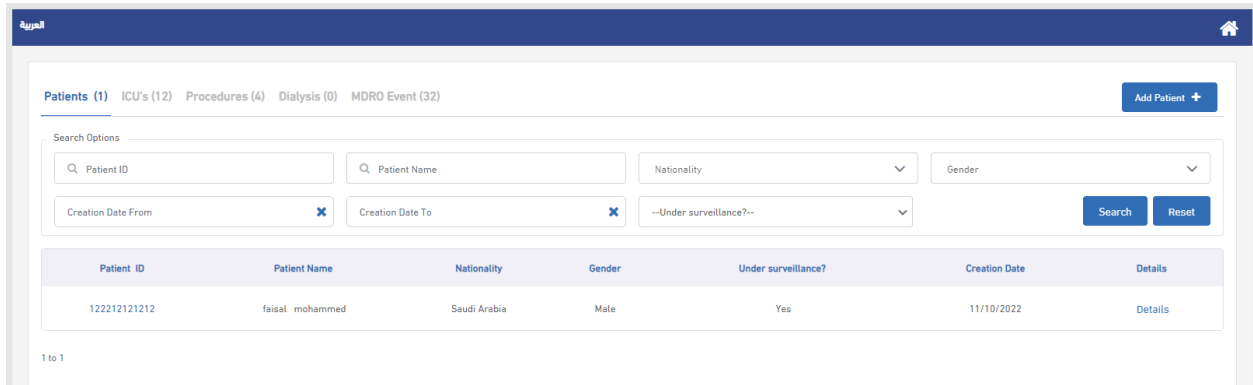
The system administrator can reject the request of a health facility, as deemed appropriate, in accordance with the standards of the Infection Control Administration. This can be done by clicking the “Reject Request” button and adding notes on the rejection of the request.

Approve A Request

The system administrator can approve the request of the health facility, as deemed appropriate, in accordance with the standards of the Infection Control Administration. After approving the request, the health facility will be immediately able to use the Infection Control Unit on the HESN+ platform.

Homepage

Once the application has been approved by the system administrator from the Infection Control Unit Administration, the facility can directly access the facility's homepage and view all of its data.

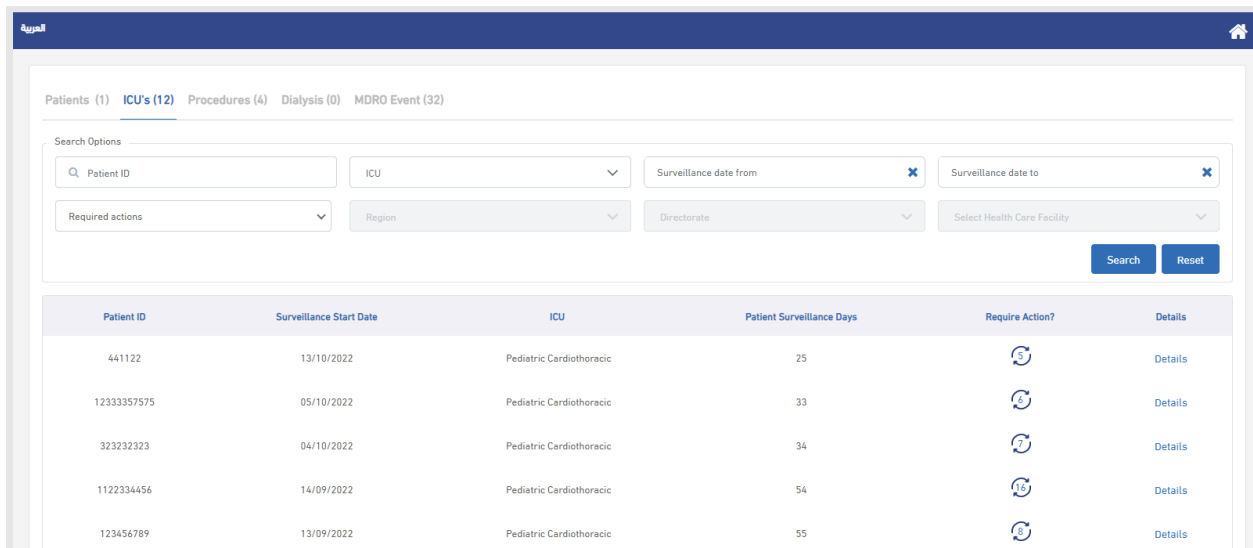


The screenshot shows the 'Patients' tab selected in the top navigation bar. The search options include Patient ID, Patient Name, Nationality, Gender, Creation Date From, Creation Date To, and Under surveillance? (Yes/No). The table below lists the patient data.

Patient ID	Patient Name	Nationality	Gender	Under surveillance?	Creation Date	Details
122212121212	faizal mohammed	Saudi Arabia	Male	Yes	11/10/2022	Details

1 to 1

Figure 1 Homepage showing the patient list.



The screenshot shows the 'ICU's' tab selected in the top navigation bar. The search options include Patient ID, ICU, Surveillance date from, Surveillance date to, Required actions, Region, Directorate, and Select Health Care Facility. The table below lists the ICU surveillance data.

Patient ID	Surveillance Start Date	ICU	Patient Surveillance Days	Require Action?	Details
441122	13/10/2022	Pediatric Cardiothoracic	25	5	Details
12333357575	09/10/2022	Pediatric Cardiothoracic	33	6	Details
323232323	04/10/2022	Pediatric Cardiothoracic	34	7	Details
1122334456	14/09/2022	Pediatric Cardiothoracic	54	16	Details
123456789	13/09/2022	Pediatric Cardiothoracic	55	8	Details

Figure 2 Homepage showing the list of ICU Surveillances.

المرضى

Patients (1) ICU's (12) **Procedures (4)** Dialysis (0) MDRO Event (32)

Search Options

Search Reset

Patient ID	Procedure Type	Procedure Date	Surveillance date	Patient Surveillance Days	Require Action?	Details
1067996783	AAA- Abdominal aortic aneurysm repair	20/10/2022	20/10/2022	13	-	Details
1222121212	AAA- Abdominal aortic aneurysm repair	11/10/2022	11/10/2022	4		Details
323232323	CARD- Cardiac surgery	07/09/2022	07/09/2022	30	-	Details
323232323	CARD- Cardiac surgery	08/08/2022	08/08/2022	0		Details

1 to 4

Figure 3 Homepage showing the list of SSI Surveillances.

المرضى

Patients (1) ICU's (12) Procedures (4) **Dialysis (0)** MDRO Event (32)

Search Options

Search Reset

Patient ID	Surveillance Start Date	Surveillance Month	Patient Surveillance Days	Require Action?	Details
No records found					

Figure 4 Homepage showing the list of dialysis session Surveillances.

المرحلة

Patients (1) ICU's (12) Procedures (4) Dialysis (0) **MDRO Event (32)**

Search Options

Search Reset

Client ID	Event Type	Event date	Device Name	Require Action?	Details
12333357575	DA-MDRO	17/10/2022	Central Line Device	-	Details
441122	NDA-MDRO	13/10/2022	Central Line Device	-	Details
441122	NDA-MDRO	13/10/2022	Central Line Device	-	Details
3333333	NDA-MDRO	13/10/2022	Urinary Catheter Device	-	Details
3333333	NDA-MDRO	13/10/2022	Urinary Catheter Device	-	Details
122212121212	NDA-MDRO	13/10/2022		-	Details

Figure 5 Homepage showing the list of MDRO events.

Adding A Patient

In order for the health facility to start Surveillance, the facility must first add a patient, and then start a Surveillance for them. The process for adding a patient as follows:

المرحلة

Patients (1) ICU's (12) Procedures (4) Dialysis (0) MDRO Event (32) [Add Patient +](#)

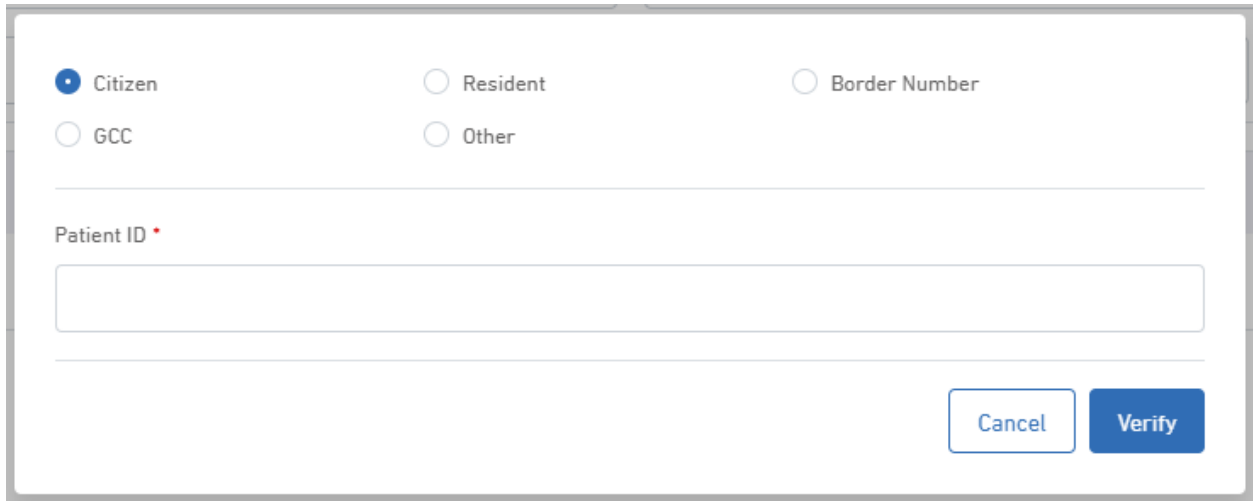
Search Options

Search Reset

Patient ID	Patient Name	Nationality	Gender	Under surveillance?	Creation Date	Details
122212121212	faisal mohammed	Saudi Arabia	Male	Yes	11/10/2022	Details

1 to 1

By clicking the “Add Patient” button, a pop-up window will show asking for the patient's identification number:



The form is titled "Patient ID" and features five radio button options: "Citizen" (selected), "Resident", "Border Number", "GCC", and "Other". Below these options is a large text input field for the ID number. At the bottom right, there are two buttons: "Cancel" and "Verify".

- **Citizen:** Requires the Saudi citizen's ID number (must start with "1" and consist of 10 digits)
- **Resident:** Requires the residence permit number (must start with "2" and consist of 10 digits)
- **Border number:** Requires the border number (must start with "3", "4" or "5" and consist of 10 digits)
- **GCC:** Requires the GCC number (the maximum number of digits is 25 digits)
- **Others:** Unclassified identities

After entering the information, the user clicks the "Verify" button, and details will be retrieved based on the number entered. The user is then redirected to the patient information page to fill the rest of the information.

If the patient's information was previously added on the system, the user can search for the patient's information on the homepage using their registered ID number, without having to click the "Add Patient" button.

☐ Citizen
 ☐ Resident
 ☐ Border Number
 ☐ GCC
 ☒ Other

Patient ID *

Date of Birth *

Hijri ☐
 2002-10-09

i The patient is existed, please clicks here to go to patient information page.

Full Name	Date of Birth
faisal mohammed	9 Oct 2002

By clicking the save button, the patient's information will be saved and the user will be redirected to the patient Surveillance page.

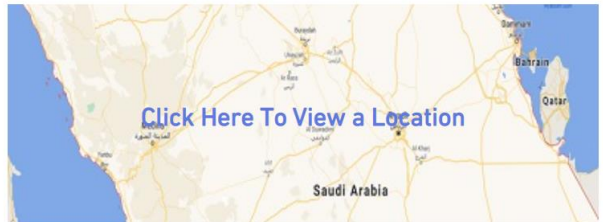
Patient Information Patient File Status: Active

Patient information 122212121212

Patient name faisal mohammed			
Patient Type Other	Birth Date 2002-10-09	Birth Date (Hijri) 1423-08-03	Gender Male
Age 20	Marital Status Single	Phone Number 966545454345	Additional Phone Number -
Patient Nationality Saudi Arabia	Place Of Birth Saudi Arabia	Occupation STUDENT	Email Address -

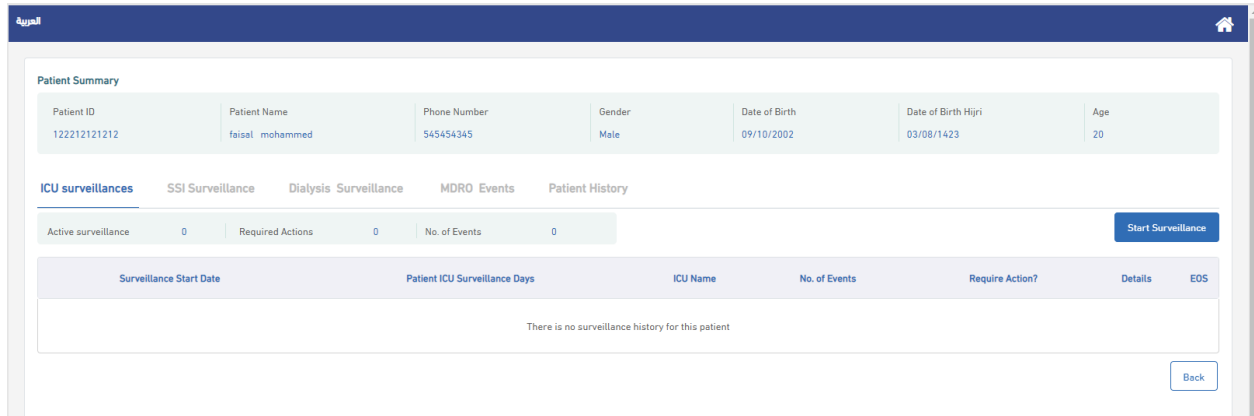
Address

Region -	Directorate -	District -
Street Name -		
Building Number -	Unit Number -	Zip Code -
Address -		



Patient Surveillance Page

After adding the patient, the facility can view the patient's Surveillance file, and set up Surveillances for this patient



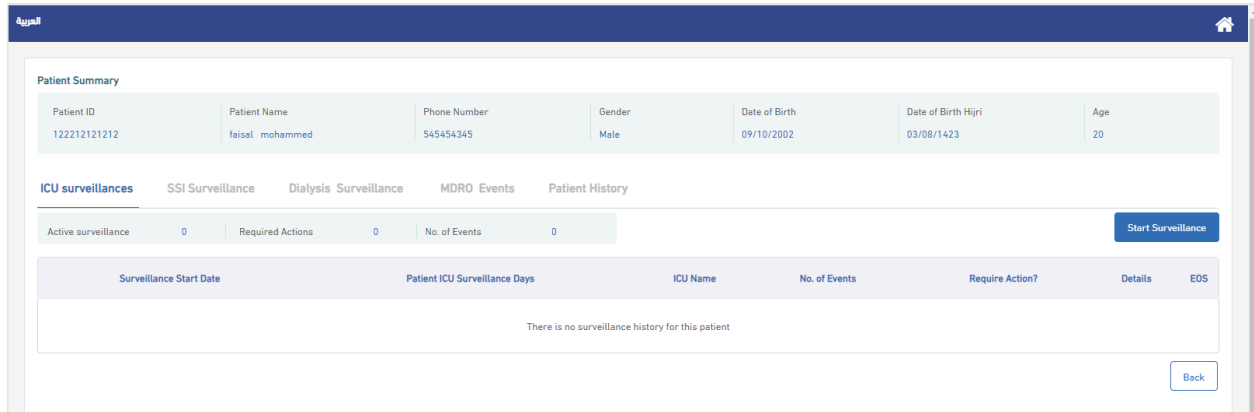
The screenshot shows the 'Patient Surveillance' page for a patient named 'faisal mohammed'. The page includes a 'Patient Summary' section with fields for Patient ID, Patient Name, Phone Number, Gender, Date of Birth, Date of Birth Hijri, and Age. Below this, there are tabs for 'ICU surveillances', 'SSI Surveillance', 'Dialysis Surveillance', 'MDRO Events', and 'Patient History'. The 'ICU surveillances' tab is active, showing a summary of active surveillance (0), required actions (0), and no. of events (0). A 'Start Surveillance' button is visible. Below the summary, there is a table with columns: Surveillance Start Date, Patient ICU Surveillance Days, ICU Name, No. of Events, Require Action?, Details, and EOS. The table is currently empty, with a message 'There is no surveillance history for this patient'.

Starting A Surveillance

On the patient's page, the user will be shown a button to create a Surveillance, and by clicking this button, the user will be redirected to the page where they can start a Surveillance and fill in the required information.

Intensive Care Unit (ICU) Surveillance

On the ICU Surveillance page, the user clicks the "Create Surveillance" button which will redirect them to the Surveillance setup page.



This screenshot is identical to the one above, showing the 'Patient Surveillance' page for 'faisal mohammed'. It highlights the 'Start Surveillance' button in the 'ICU surveillances' section, which is used to create a new surveillance record.

In the first step, the user can fill in the following:

1. Hospital admission information
2. If there has been a transfer from another hospital, choose the name of the hospital from the list

3. Fill in the information the ICU admission and the date of admission. Only the list of ICU's submitted to the Infection Control Unit Administration will be displayed.
4. If there has been a transfer from another ICU, choose its name from the list.
5. Click next to fill the device information.

1
2
3

Admission Process
Devices
Review

Admission to hospital

Health care facility *

Family Care Hospital

Admission Date *

YYYY/MM/DD ✕

Action Type

Admission to hospital

Action Reason *

☐ Admission to hospital
☐ Transfer From another hospital

Transfer to ICU

ICU Admission Date *

YYYY/MM/DD ✕

Action Type

Admission/ transferee to unit

After completing the first step information, the user clicks next to fill device-related information.

The user fills in the devices that were inserted outside the ICU, as well as the devices that were inserted at the time the patient was admitted to the ICU.

1- Outside the ICU

✓
2
3

Admission Process
Devices
Review

Devices Association

Do the patient admitted to the ICU with an already inserted device?

☒ Yes
☐ No

Device *

--Select-- ▼

Add

#	Device	No. of devices	Delete
1	Central Line Device	1	✕

The device is selected from the drop-down list, then the user clicks the add button, and can remove the device before starting the Surveillance process.

2- Inside the ICU

Do the Patient admitted to the ICU with a new inserted device within the same date of ICU Admission?


☒ Yes ☐ No

Device
--Select--

Insertion Date
2022-11-07

Add

* The insertion date should be equal to the ICU admission date

#	Device	Reinserted?	No. of devices	Delete
1	Urinary Catheter Device	No	1	

Cancel
Back
Next

The user fills in the information of the devices that have been inserted inside the ICU, the device is selected from the drop-down list, and the date of insertion is entered. The date of insertion will be equal to the date of admission to the ICU.

Note: The user can only repeat device entries in the case of Central Line only.

After moving to the next step, this step will be to review the information entered for Surveillance before starting the Surveillance.

Admission to hospital

Health care facility
Family Care Hospital

Admission Date
2022-10-17

Action Type
Admission to hospital

Action Reason
☒ Admission to hospital ☐ Transfer From another hospital

Transfer to ICU

ICU Admission Date
2022-11-07

Action Type
Admission/ transferee to unit

ICU Name
Neonatal Intensive Care

Transferred ICU
--Select--

Devices

Do the patient admitted to the ICU with an already inserted device? **Yes**

#	Device	No. of devices
1	Central Line Device	1

Devices

Do the Patient admitted to the ICU with a new inserted device? **Yes**

#	Device	Reinserted?	No. of devices
1	Urinary Catheter Device	No	1

Cancel Back **Start Surveillance**

By clicking the “Start Surveillance” button, the list of required Surveillance packages will show whether for entering new devices or for follow-up.

Procedures

Bundle Review - Central Line Device - 07/11/2022

Insertion Bundle - Urinary Catheter Device - 07/11/2022

1 to 2

Surveillance is initiated for the patient and the user is redirected to a page for Surveillance the patient and previewing the Surveillance information.

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
1109118313	رهف فهد ابراهيم الدهيشي	536525617	Female	23/09/2000	25/06/1421	22

ICU surveillances

SSI Surveillance

Dialysis Surveillance

MDRO Events

Patient History

Active surveillance

1


Required Actions

2

No. of Events

0

There is an already active surveillance, you have to End the surveillance before starting a new one

Surveillance Start Date	Patient ICU Surveillance Days	ICU Name	No. of Events	Require Action?	Details	EOS
07/11/2022	1	Neonatal Intensive Care	-		Details	End of Surveillance

1 to 1

ICU Surveillance Details

The user can view the Surveillance details by clicking the “Details” button, and the Surveillance devices and events, along with Review bundles will be shown. The user will see 3 pages related to Surveillance details.

Health care facility Family Care Hospital	Admission Date 17/10/2022	Action Type Admission to hospital	Action Reason Admission to hospital	Transferred Hospital -
--	------------------------------	--------------------------------------	--	---------------------------

Devices Devices History ICU Events

Device Name	Insertion Date	Reinserted?	Device Surveillance Days	Number of Events	Require Action?	Notification	Actions			
Central Line Device	07/11/2022	No	1	0		Bundle Review	New Event	MDRO	Details	
Urinary Catheter Device	07/11/2022	No	1	0		Bundle Review	New Event	MDRO	Details	

1 to 2

MDRO New Event Insert Device Back

- 1- Devices
- 2- Device record: This is the history of the devices used for the patient in the Surveillance in question.
 - a. By accessing the device details, the events and packages related to the relevant device can be viewed.
- 3- ICU events

Device name Central Line Device	Insertion Date 2022-11-07	Device Surveillance Days 1
------------------------------------	------------------------------	-------------------------------

Events & MDRO Bundles

Type ▼ Creation Date From ✕ Creation Date To ✕ Device association ▼

Search Reset

Type	Title	Creation Date	Device association	No. of Organism and Sensitivity	Details
No records found					

Back

SSI Surveillance

On the SSI Surveillance page, the user clicks the “Create Surveillance” button which will redirect them to the Surveillance setup page.

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
1109118313	رهبف فهد ابراهيم الدهيشي	536525617	Female	23/09/2000	25/06/1421	22

ICU surveillances **SSI Surveillance** Dialysis Surveillance MDRO Events Patient History

Active surveillance 2 Required Actions 2 No. of Events 1 [Start Surveillance](#)

Procedure Name Surveillance Start Date from Surveillance Start Date to Required actions [بحث](#) [إعادة تعيين](#)

Procedure Name	Surveillance Start Date	Surveillance No. of Days	No. of Events	Require Action?	Details	EOS
FX- Open reduction of fracture	19/10/2022	71	1		Details	End of Surveillance
FX- Open reduction of fracture	19/10/2022	71	-		Details	End of Surveillance

The start Surveillance page for SSI will appear and the user fills in the general information, in addition to the operation's information.

1 General info 2 Procedure Info 3 Review

General Information

Health care facility *

Admission Date *

☒ Patient discharged from hospital

Discharge Date *

[Cancel](#) [Next](#)

The second step will be to fill in the operation's information and its date, where the system allows only up to 21 days after the date of the operation. The operation to be monitored is to be selected from the list of operations submitted to the Infection Control Unit Administration.

1 2 3

General info Procedure Info Review

Procedure Information

Procedure Name *

FX- Open reduction of fracture

Procedure Date *

2022-11-07

☒ Emergency?

Surveillance period *

90

Operative Surgeon ID *

1234

Pre-Procedure Diagnosis

1 2 3

General info Procedure Info Review

General Information

Health care facility	Admission Date
Family Care Hospital	2022-10-01
Patient discharged from hospital	Discharge Date
Yes	2022-11-07

Procedure Information

Procedure Name

FX- Open reduction of fracture

Procedure Date

2022-11-07

☒ Emergency?

Surveillance period

90 Days

Operative Surgeon ID

1234

Pre-Procedure Diagnosis

The final step will be a review step of the entered information before starting the Surveillance. By clicking on the “Start Surveillance” button, the operation will be monitored for the patient, and based on the type of operation, the number of Surveillance days will be determined by the system to be 30 or 90 days.


Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
1109118313	رهدف مهدي ابراهيم الدهيشي	536525617	Female	23/09/2000	25/06/1421	22

ICU surveillances
SSI Surveillance
Dialysis Surveillance
MDRO Events
Patient History


Active surveillance 1
Required Actions 1
No. of Events 0
Start Surveillance

Procedure Name
Surveillance Start Date from
Surveillance Start Date to
Required actions
Search
Reset

Procedure Name	Surveillance Start Date	Surveillance No. of Days	No. of Events	Require Action?	Details	EOS
FX- Open reduction of fracture	04/11/2022	87	-		Details	End of Surveillance

Operations Surveillance Details

By clicking the “Details” button, the user can view the operations Surveillance details. The user will see two pages, a general page for the operation details, and a page for events and precautionary packages created for Surveillance.

العربية


Procedure Information
Events & Bundles

General Information

Health care facility	Admission Date	Patient discharged from hospital	Discharge Date
Family Care Hospital	2022-11-03	Yes	2022-11-07

Procedure Information

Procedure Date	Procedure Name	Surveillance period	Emergency?
2022-11-04	FX- Open reduction of fracture	90	Yes
Pre-Procedure Diagnosis	Operative Surgeon ID		
Test	1234		

Back

Dialysis Unit Surveillance

On the patient's dialysis unit Surveillance page, the user clicks the “Create Surveillance” button which will redirect them to the dialysis unit Surveillance setup page.

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
1109118313	رهمف مهف ابراهيم الذهبشي	536525617	Female	23/09/2000	25/06/1421	22

ICU surveillances SSI Surveillance **Dialysis Surveillance** MDRO Events Patient History

Active surveillance 0 Required Actions 0 No. of Events 0 **Start Surveillance**

Dialysis session Month	Session Working day	Surveillance Start Date	Surveillance No. of Days	No. of Events	Require Action?	Notification	Details	EOS
There is no surveillance history for this patient								

Back

The dialysis session Surveillance page will appear for the user to fill in the information. The system will only allow the user to record dialysis sessions for the current month, and no retrospective Surveillances can be created.

The user should fill the following:

- 1- Select a day for the dialysis session
- 2- Select the date of the dialysis session. The user can select a session date within the first 7 days of each month.

العربية

Dialysis Session

Health care facility *

Family Care Hospital

Dialysis session Month *

November

Working day of Dialysis session *

☐ First Working Day ☐ Second Working Day

YYYY/MM/DD

The date when the patient came to the session *

Cancel **Start Surveillance**

After filling the information, the user can click the “Start Surveillance” button. The user will be directed to the Surveillance page that has been created, and Surveillance days will be calculated starting from the date entered. A Review bundle will be included by the system under the actions the user is required to perform.

العربية

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
1109118313	رهف فهد ابراهيم الدهيشي	536525617	Female	23/09/2000	25/06/1421	22

ICU surveillances
SSI Surveillance
Dialysis Surveillance
MDRO Events
Patient History

Active surveillance 1
Required Actions 1
No. of Events 0

There is an already active surveillance, you have to End the surveillance before starting a new one

Dialysis session Month	Session Working day	Surveillance Start Date	Surveillance No. of Days	No. of Events	Require Action?	Notification	Details	EOS
November	First Working Day	07/11/2022	1	-			Details	End of Surveillance

1 to 1

Users can view:

- 1- The number of events created for Surveillance
- 2- The number of actions the user is required to perform, such as: creating a Review bundle
- 3- Alert icon: To remind the user to submit Review bundles
- 4- Details button, through which the user can view Surveillance details and create affiliated events.

Dialysis Unit Surveillance Details

By clicking the “Details” button, the user can view the dialysis session Surveillance details. The user will see two pages, a general page for the dialysis session details, and a page for events and precautionary packages created for Surveillance.

العربية

Dialysis Information
Events & Bundles

--Type--
Creation Date From
Creation Date To
Search
Reset

Type	Title	Creation Date	No. of Organism and Sensitivity	Details
No records found				

BundleReview
MDRO
New event.
Back

Creating Review Bundles

After creating a Surveillance, the user can create the review bundles for the Surveillances, the ICU, the dialysis session, or the operations.

Review bundles are requested based on:

- 1- A Review bundle for each device installed outside the ICU upon commencing the Surveillance.
- 2- A Review bundle after the reminder, for each device installed for the patient, as well as for the ICU Surveillance.
- 3- A Review bundle for all dialysis Surveillance sessions
- 4- A Review bundle for surgical operations Surveillance

If the Review bundles are not filled, they will remain under the “required actions” for Surveillance, and will also be included in the compliance reports of the health facility.

Review Bundle for Surveillance

To create an ICU Review bundle, the user clicks on the "Review bundle" button at the bottom of the page, and they will be redirected to the Review bundle.

To create a Review bundle for a specific device, the user clicks on the "Review bundle" button next to the device in question, and they will be redirected to the Review bundle page for them to fill.

صفحة < حسن بلس

Health Centers in Narmas | 21/04/2022 | Admission to hospital | Transfer From another hospital | Adna Field hospital

Devices
Devices History
ICU Events

Device Name	Insertion Date	Reinserted?	Device Surveillance Days	Number of Events	Require Action?	Notification	Actions				
Central Line Device	12/05/2022	Yes	186	0			Bundle Review	New Event	MDRO	Details	
Central Line Device	12/05/2022	Yes	186	0			Bundle Review	New Event	MDRO	Details	
Ventilator Device	08/05/2022	No	190	1			Bundle Review	New Event	MDRO	Details	
Central Line Device	28/04/2022	No	200	1			Bundle Review	New Event	MDRO	Details	

1 to 4

MDRO

New Event

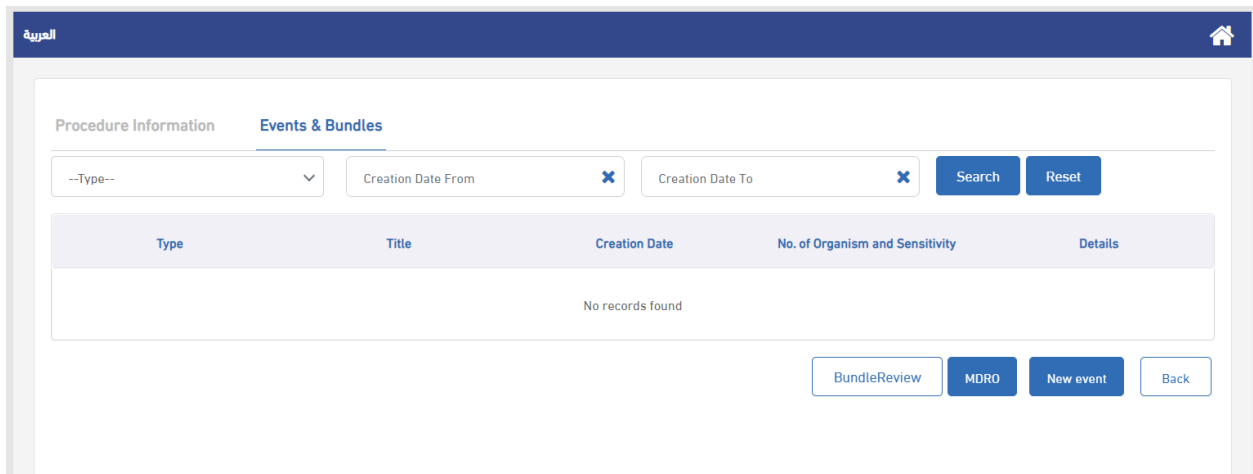
Insert Device

Back

If there is a required action that has not been completed for the Review bundles, the user will see a "Requires Action" column, and the total number of required actions for the device will show.

In the "Alerts" column a reminder appears for the user to create a Review bundle every 3 days, for ICU Surveillances, device Surveillances and dialysis session Surveillances. No reminders will be provided for operations Surveillances.

To create a Review bundle for operations Surveillance, the user can access the operation Surveillance details, and then access the list of events and precautionary packages, and click the "Precautionary Package Follow-up" button.



العربية

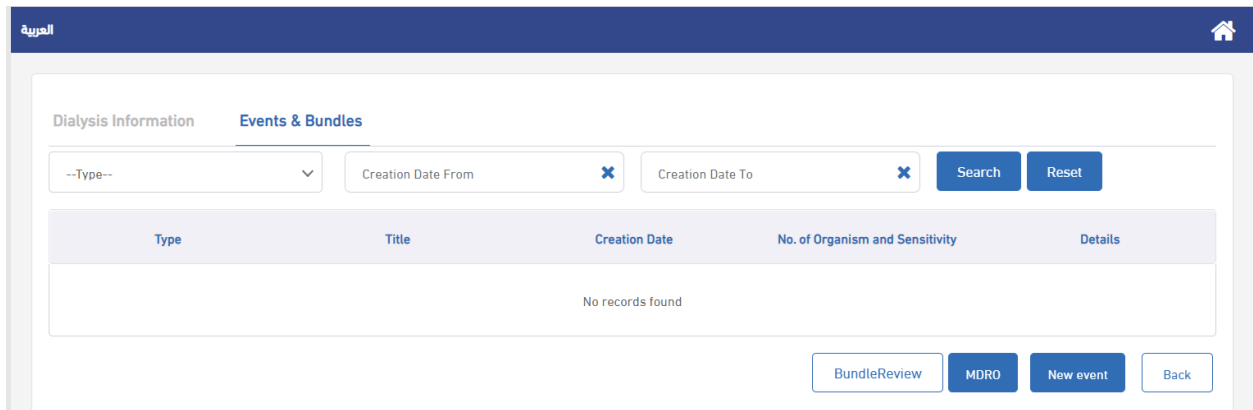
Procedure Information **Events & Bundles**

--Type-- Creation Date From Creation Date To Search Reset

Type	Title	Creation Date	No. of Organism and Sensitivity	Details
No records found				

BundleReview MDRO New event Back

To create a Review bundle for dialysis session Surveillance, the user can access the session Surveillance details, and then access the list of events and precautionary packages, and click the "Precautionary Package Follow-up" button.



العربية

Dialysis Information **Events & Bundles**

--Type-- Creation Date From Creation Date To Search Reset

Type	Title	Creation Date	No. of Organism and Sensitivity	Details
No records found				

BundleReview MDRO New event Back

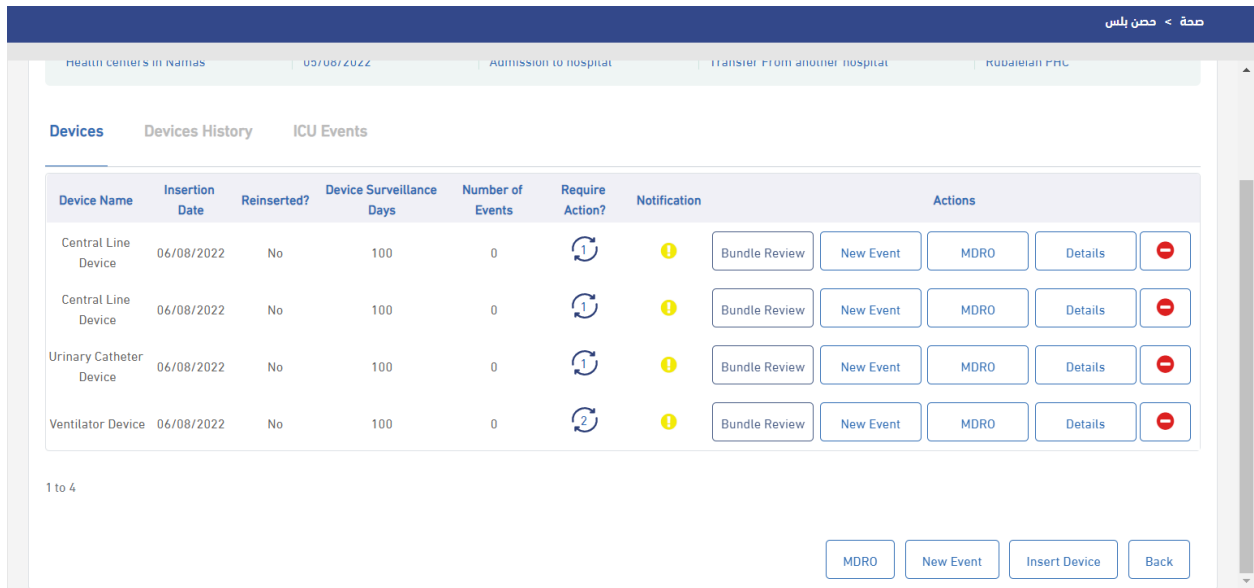
Creating A New Event

After commencing the Surveillance, the user can create the events associated with the Surveillances, which are as follows:

1. Events related to ICU Surveillance
 - a. Event related to devices
 - b. Event not related to devices
2. Events related to operations
3. Events related to the dialysis unit

ICU Surveillance Events

The user can create an ICU event by clicking the "New Event" button.



The screenshot shows a web application interface for ICU Surveillance Events. At the top, there is a header with the text "صحة < حسن بلس". Below the header, there are tabs for "Health Centers in Riyadh", "05/08/2022", "Admission to hospital", "Transfer from another hospital", and "Rudairah PHC". The main content area has three tabs: "Devices", "Devices History", and "ICU Events". The "ICU Events" tab is active, displaying a table with the following columns: "Device Name", "Insertion Date", "Reinserted?", "Device Surveillance Days", "Number of Events", "Require Action?", "Notification", and "Actions".

Device Name	Insertion Date	Reinserted?	Device Surveillance Days	Number of Events	Require Action?	Notification	Actions
Central Line Device	06/08/2022	No	100	0			Bundle Review New Event MDRO Details
Central Line Device	06/08/2022	No	100	0			Bundle Review New Event MDRO Details
Urinary Catheter Device	06/08/2022	No	100	0			Bundle Review New Event MDRO Details
Ventilator Device	06/08/2022	No	100	0			Bundle Review New Event MDRO Details

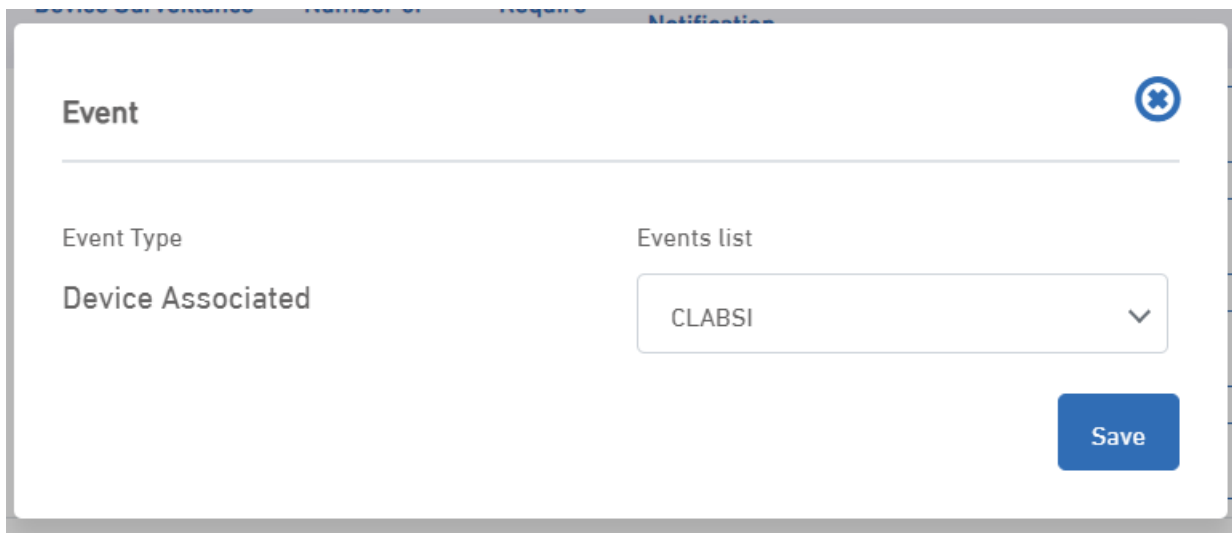
Below the table, there is a pagination indicator "1 to 4". At the bottom right, there are buttons for "MDRO", "New Event", "Insert Device", and "Back".

After creating the event within the first two days from the date of Surveillance the device or the ICU, the event will count as an "Event not related to devices", and the button will be disabled for two calendar days accordingly, until a two-day period from the date of adding the device has elapsed. This is based on the conditions and criteria of the Surveillance Guide provided by the Infection Control Administration at the Ministry of Health.

To create an "Event related to devices", after two calendar days of installing the device for the patient, by clicking the "New Event" button next to the relevant device. A pop-up window will show for the user to select the event classification from the list

of events. By clicking the “Submit” button, the user will be redirected to the event file for them to fill.

In case an “Event related to devices” was created, the button will be disabled for a period of 14 calendar days, based on the conditions and criteria of the Surveillance Guide provided by the Infection Control Administration at the Ministry of Health.



If the event type is "MDRO", the user can click “MDRO” button, and fill in the information related to the event, either for the surveillance or for a device.

MDRO

MDRO Classification

MDRO Presentation *

MDRO Source *

Colonization

HealthCare Onset collected >= 4 days...

☒ Others?

Health care facility :Health centers in Namas

Cancel

Fill MDRO

SSI Surveillance Events

The user can create an operations Surveillance event by clicking the “New Event” button on the packages and events page.

العربية

Procedure Information
Events & Bundles

--Type--
Creation Date From
Creation Date To
Search
Reset

Type	Title	Creation Date	No. of Organism and Sensitivity	Details
SSI Event	SSI Event Form	13/11/2022	0	Add Organism and Sensitivity Details

1 to 1

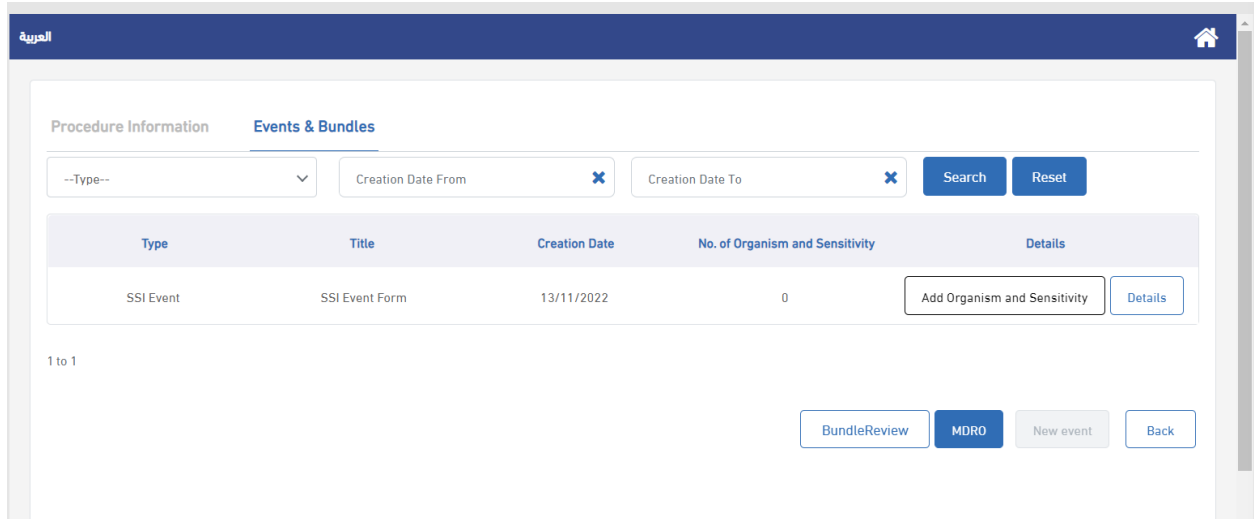
BundleReview
MDRO
New event
Back

After creating the event, the user can click on the “Add Organism and Sensitivity” button for the event every time they wish to add them, and they can view these by

clicking on the number in the Organism and Sensitivity number column. This procedure applies to all events that are created on the system.

Dialysis Surveillance Events

The user can create a dialysis session Surveillance event by clicking the “New Event” button.



العربية

Procedure Information **Events & Bundles**

--Type-- Creation Date From Creation Date To Search Reset

Type	Title	Creation Date	No. of Organism and Sensitivity	Details
SSI Event	SSI Event Form	13/11/2022	0	Add Organism and Sensitivity Details

1 to 1

[BundleReview](#) [MDRO](#) [New event](#) [Back](#)

MDRO Events

The user can create MDRO on the level of surveillance or on a specific device by clicking on “MDRO”.

Device Management

The user can view the patient Surveillance devices and keep track of them through the Surveillance devices page, by clicking the “Browse” button for the ICU Surveillance, where the device information will show.

Device Input Package

Input packages are requested on the following basis:

1. Input package for each device installed in the ICU upon commencing the Surveillance
2. Input package for each device installed during ICU Surveillance
3. Input package for each device that was re-installed during ICU Surveillance

If the input packages are not filled, they will remain under the “Required Actions” for Surveillance, and will also be included in the compliance reports of the health facility.













Removing A Device

The user can remove the device, by clicking on the remove device icon. No required action related to the device will be canceled, and the actions will remain there until completed under the device record.

صفحة < حسن بلس

[Health centers in Makkah](#) | [05/08/2022](#) | [Admission to hospital](#) | [Transfer From another hospital](#) | [Rudairan PHC](#)


[Devices](#) | [Devices History](#) | [ICU Events](#)


Device Name	Insertion Date	Reinserted?	Device Surveillance Days	Number of Events	Require Action?	Notification	Actions				
Central Line Device	06/08/2022	No	100	0			Bundle Review	New Event	MDRO	Details	
Central Line Device	06/08/2022	No	100	0			Bundle Review	New Event	MDRO	Details	
Urinary Catheter Device	06/08/2022	No	100	0			Bundle Review	New Event	MDRO	Details	
Ventilator Device	06/08/2022	No	100	0			Bundle Review	New Event	MDRO	Details	

1 to 4

[MDRO](#) | [New Event](#) | [Insert Device](#) | [Back](#)

Inserting/ reinserting A Device

To insert a new device, the user clicks the “Insert Device” button, and a pop-up window will show prompting the user to enter the new device information. If the insertion was for a device that was removed, and a calendar day has not yet passed since the removal, the list of removed devices will appear and the user can choose the desired device. 



Device *

--Select--

Insertion Date *

YYYY/MM/DD

Add

#	Device	No. of devices	Delete
No records found			

Removed devices list, in case of device reinsertion, please select the device

Device name	Insertion Date	Removal Date	Device Surveillance Days	Reinsert
Central Line Device	2022-04-28	2022-11-13	200	+

Save

If the device is new, the day count for the device will start from the first day, and if the insertion was for a previous, the counting will continue from the previously-counted days.

End Surveillance

ICU Surveillance End Surveillance

The user clicks the “End Surveillance” button and a pop-up window will show for them to fill in the Surveillance End information.

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
87654321456	Cleint Cleint	505494099	Male	03/07/2022	04/12/1443	0

ICU surveillances


SSI Surveillance

Dialysis Surveillance

MDRO Events

Patient History

Active surveillance	1	Required Actions	5	No. of Events	0	There is an already active surveillance, you have to End the surveillance before starting a new one
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Surveillance Start Date	Patient ICU Surveillance Days	ICU Name	No. of Events	Require Action?	Details	EOS
06/08/2022	100	Medical Surgical	-		Details	End of Surveillance

1 to 1

The user fills in the required information based on the End reason chosen.

End Of Surveillance

Reasons *

Death

Death Date *

YYYY/MM/DD

Death Reason *

--Select--

Discharge Date *

YYYY/MM/DD

☒ I am sure of ending the surveillance?

[Cancel](#)
[End of Surveillance](#)

SSI Surveillance End

After the 30- or 90-day period of SSI Surveillance has elapsed, Surveillance will be automatically End by the system, unless the user Ends the Surveillance for another

reason before the Surveillance period is over by clicking the “End Surveillance” button and following the steps as explained above under ICU Surveillance End.

Dialysis Session Surveillance End

After the month-period of dialysis session Surveillance has elapsed, Surveillance will be automatically End by the system, unless the user Ends the Surveillance for another reason before the Surveillance period is over by clicking the “End Surveillance” button and following the steps as explained above under ICU Surveillance End.

Patient's Surveillance History

The user can view the patient's Surveillance history at the health facility through the patient history page.

Patient Summary

Patient ID	Patient Name	Phone Number	Gender	Date of Birth	Date of Birth Hijri	Age
87654321456	Cleint Cleint	505494099	Male	03/07/2022	04/12/1443	0

ICU surveillances
SSI Surveillance
Dialysis Surveillance
MDRO Events
Patient History

Required Actions 7
No. of Events 0

Surveillance Type
Health care facility
Surveillance date from
Surveillance date to

Required actions

Search
Reset

Surveillance Type	Surveillance Start Date	Surveillance End Date	Surveillance No. of Days	No. of Events	Health care facility	Require Action?	Details
SSI	13/11/2022	13/11/2022	30	0	Health centers in Namas		Details
ICU	06/08/2022	13/11/2022	100	0	Health centers in Namas		Details